

SMOLIGOVETS, P.V., starshiy nauchnyy sotrudnik, kand. med. nauk (Kiyev)

Effect of acidophilic-yeast milk products on the exocrine
function of the pancreas in peptic ulcer and chronic gastritis.
Vrach. delo no.10:48-53 0 '63. (MIRA 17:2)

1. Klinika lechebnogo pitaniya (zav. - doktor med. nauk
M.S. Govorova) Ukrainского nauchno-issledovatel'skogo
instituta pitaniya.

SMOLIGOVETS, P.V. [Smolihovets', P.V.]

Effect of atropine on the exocrine secretion of the pancreas
in chronic gastritis and peptic ulcer patients. Fiziol. zhur.
[Ukr.] 10 no.2:221-226 Mr-Apr '64. (MIRA 18:7)

1. Institut fiziologii im. A.A.Bogomol'tsa AN UkrSSR i Ukrain-
skiy nauchno-issledovatel'skiy institut pitaniya Ministerstva
zdravookhraneniya UkrSSR, Kiyev.

SMOLIGOVETS, P.V. ,Smolihovets', P.V.]

Exocrine function of the pancreas and the contracting function of
the gallbladder and pyloric sphincter in peptic ulcer. Fiziol.zhur.
[Ukr.] 11 no.4:491-497 J1-Ag '65. (MIRA 18:10)

1. Laboratoriya funktsional'noy diagnostiki Ukrainskogo nauchno-
issledovatel'skogo instituta pitaniya, Kiyev.

SMOLIK, A.

Standardization of electric measuring, controlling and regulating devices. p.129.
(Normalisace, Vol. 6, No. 6, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

SMOLIK, A.

TECHNOLOGY

PERIODICAL: RUDY Vol. 6, no. 7, July 1958

SMOLIK, A.; BODNAR, S. Results of tests with a UDM slinger-type mine-filling machine. p. 218

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

EXCERPTA MEDICA Sec.9 Vol.11/3 Surgery Aug 1957
SMOLIK A.

4028. (784) SMOLIK A. Podstawie Materiału Szpit. Urazowego im T. Kościuszki, Piekarach Sl. Leczenie i wyniki okaleczenia rąk i palców. Spostrzeżenia kliniczne. The treatment and results of injuries to the hands and fingers POL. PRZEGL. CHIR. 1956, 28/9 (929-938) Tables 10 Illus. 4

Age, character of employment or occupation, frequency of injury to the left or right hand, the place where the accident occurred, and the site and nature of the injuries are considered. Therapeutic methods and their results are presented in detail. After an analysis of the material as a whole, appropriate conclusions are drawn and precautionary measures are given which may lead to a decrease in the percentage of injuries.

SMOLIK, ALOJZJUSZ

DAAB, Janusz; SMOLIK, Alojzjusz

Statistical analysis of spinal injuries with cord lesions. Chir. narz.
ruchu 22 no.3:337-344 1957.

1. Z Wojewodzkiego Szpitala Chirurgii Urazowej w Piekarach Sl. Dyrek-
tor i kierownik naukowy: Wl. Sowinski.

(SPINE, fractures

with spinal cord inj., surg. statist. (Pol))

(SPINAL CORD, wds. & inj.

caused by fract. of spine, surg. statist. (Pol))

EXCERPTA MEDICA SE 8 Vol 12/2 Neurology Feb 59

1033. COMPLICATIONS AND FAILURES IN THE TREATMENT OF FRACTURES OF THE SPINE WITH CORD INJURIES - Powikłania i błędy w leczeniu urazów kręgosłupa z uszkodzeniem rdzenia kręgowego - Smolik A.
Wojewódzk. Szpit. Chir. Urazowej, Piekary Sl. - CHIR. NARZAD. RUCHU
1957, 22/3 (345-351) Graphs 4 Tables 1

On the basis of 328 fractures of the spine accompanied by cord lesion, common complications and failures are described. Nervous system, urinary tract, respiratory and digestive systems and locomotor apparatus are concerned. Attempts to overcome complications, undertaken in successive years, are described. They varied according to the development and progress of therapeutic methods available. Causes of the late mortality are analysed. The fatality rate was 43.5% for cervical fractures, 21% for thoracic fractures and 9% for lumbar spine fractures. The most frequent causes of death were as follows: ascending cord oedema, severe inflammation, infection of the urinary tract, cachexia, haemorrhages of the internal organs, pneumonia and fractures and injuries of other parts of the body. The analysis points out that there is as yet no adequate method for treatment of fractures of the spine with cord injury.

(IX, 8)

SMOLIK, Alojzjusz

Peri-capital and trans-cervical fractures of the femur in older subjects. Chir.narz.ruchu ortop.polska 25 no.1:25-30 '60.

1. Z Wojewodzkiego Szpitala Chirurgii Urazowej w Piekarach Sl.
Dyrektor: dr. W. Sowinski.
(FEMUR NECK fract.& disloc.)

KROL, Edward; SMOLIK, Alojzjusz

Analysis of causes of ununited fractures of shafts of the long bone.
Chir. narz. ruchu ortop. polska 26 no.6:645-648 '61.

1. Z Wojwodzkiego Szpitala Chirurgii Urazowej w Piekarach Sl.
Dyrektor i Kierownik Naukowy: dr W. Sowinski.
(FRACTURES UNUNITED etiol)

SMOLIK, Alojz Jusz

Therapeutic management of cervical spine injuries with paralysis.
Chir. narzad. ruchu ortop. Pol. 28 no. 7:795-797 '63

1. Z Wojewodzkiego Szpitala Chirurgii Urazowej w Piekarach
Slaskich (Dyrektor: dr. W. Sowinski).

SMOLIK, Alojzjusz; SOSNIERZ, Marian

Pathomorphological picture of homologous grafts of the upper epiphysis of the femoral bone in dogs. Pat. Pol. 16 no.3: 243-254 J1-S '65.

1. Z Zakładu Anatomii Prawidłowej i Topograficznej Śląskiej AM w Zabrze (Kierownik: prof. dr. med. S. Kohmann) i z Zakładu Anatomii Patologicznej Śląskiej AM w Zabrze (Kierownik: prof. dr. med. W. Niepolomski).

SMOLIK, Antonin

Study in the enterprise institutes in Slovakia. Podn org
18 no.7:293-294 J1 '64.

1. Ministry of General Mechanical Engineering, Bratislava.

Smolik, Ch. K.
p. 2

PHASE I BOOK EXPLOITATION

SOV/3544

Akademiya nauk SSSR. Otdeleniye fiziko-matematicheskikh nauk
Fizika tverdogo tela; sbornik statey, II (Solid State Physics; Collection
of Articles, II) Moscow, Izd-vo AN SSR, 1959. 328 p. 3,500
copies printed.

Ed.: A.F. Ioffe, Academician; Ed. of Publishing House: V. N. Filipovich;
Tech. Ed.: R.A. Zamarayeva.

PURPOSE: This collection of articles is intended for physicists investigating
the structures and properties of solids.

COVERAGE: This volume II of a two-volume collection of articles dealing with
problems of solid state physics, was prepared by the Department of Physics
and Mathematics, Academy of Sciences, USSR. The authors report on the physical
properties of semiconductors such as germanium, cadmium sulfide, cadmium selenide,
gallium arsenide, silicon, and various metal alloys. The electrical conductivity
of these substances is studied. The effects of irradiation and acoustic phonons
on semiconductors are also investigated. Several articles are

Card 1/9

32000
S/089/62/012/001/003/019
B102/B138

Pulse method study of...

286°C. The following parameters were measured: neutron life (T) and diffusion coefficient (D), coefficient of diffusion cooling (C) non-diffusion correction (d) (N. Sjöstrand. Arkiv fys. 15, 147 (1959)) transport free path (λ_{tr}), transport cross section (σ_{tr}), diffusion length (L) and mean cosine of neutron scattering angle ($\overline{\cos \theta}$). For water at 21°C the following diffusion parameters were measured: $T = 207 \pm 7 \mu\text{sec}$, $D = (0.35 \pm 0.01) \cdot 10^5 \text{ cm}^2/\text{sec}$, $C-d = (0.04 - 0.01) \cdot 10^5 \text{ cm}^4/\text{sec}$. The diffusion parameters for ice at -196°C are given in the table. The experimental values were approximated by means of the following formulas: ✓

$$\frac{D(t^\circ\text{C})}{D(21^\circ\text{C})} = (0,934 \pm 0,028) + \\ + (0,289 \pm 0,009) 10^{-2}t + \\ + (0,106 \pm 0,03) 10^{-4}t^2. \quad (5)$$

$$\overline{\cos \theta} = 1 - \lambda_s / \lambda_{tr} \quad (\lambda_s - \text{scattering mean free path}),$$

Card 2/4

Pulse method study of...

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B102/B138

slowing-down time is much greater than in water. The authors thank I. M. Frank for interest, B. V. Makarov, V. M. Gulikov, V. V. Talakvadze, and Ye. A. Velichenkova for assistance. There are 7 figures, 1 table, and 17 references; 3 Soviet and 14 non-Soviet. The four most recent references to English-language publications read as follows: K. Beckurts. Symposium on "In Pile Neutron Spectra and Pulsed Neutrons Methods". Denmark, 1960; D. Hughes et al. Phys. Rev., 119, 872 (1960); D. Hughes, R. Schwads. Neutron Cross Sections. New York, 1958; K. Rockey, S. Skolnik. Nucl. Sci. Engng, 8, 62 (1960).

SUBMITTED: July 1, 1961

Table

$t, ^\circ\text{C}$	$\rho, \text{g/cm}^3$	$T, \text{мксек}$	$D, 10^5 \text{ cm}^2/\text{сек}$	$(C-d), 10^5 \text{ cm}^2/\text{сек}$	L, cm	$\sigma_{tr}, \text{барн}$	λ_{tr}, cm	$\overline{\cos \theta}$
-196	$0,917 \pm 0,010$	215 ± 10	$0,095 \pm 0,004$	$0,02 \pm 0,01$	$1,43 \pm 0,07$	146 ± 6	$0,224 \pm 0,009$	—
—	—	222	$0,105 \pm 0,004$	$0,025 \pm 0,10$	$1,53 \pm 0,08$	132 ± 6	$0,248 \pm 0,010$	$0,10 \pm 0,05$

Card 4/4

ANTONOV, A.V.; GRANATIN, B.V.; MERKUL'YEV, Yu.A.; PUZANOV, V.V.; SMOLIK,
Ch.K.

Neutron diffusion for water and ice at temperatures near 0°C and -
80°C. Atom. energ. 13 no.4:373-374 0 '62. (MIRA 15:9)
(Neutrons—Scattering)

CZECHOSLOVAKIA / General and Specialized Zoology.
Insects.

P

Abs Jour: Ref Zhur-Biol., No 2, 1958, 6748.

Author : ~~Smolik, Dusan.~~

Inst : Not given.

Title : Principle Diseases and Pests of Seed Grasses and
Methods for Their Control.

Orig Pub: Socialist, zemed., 1956, 6, No 22, 1351-1355.

Abstract: The significance of diseases and pests for agriculture and the degree to which they reduce seed production are discussed. The necessity for taking measures of a preventive character, reducing the harm of the diseases and pests to a minimum, is indicated. -- D. P. Dovnar - Zapol'skiy.

Card 1/1

SMOLIK, Dusan, inz. CSc.

Antierosion capacity of low plants on the spoil heaps of the
Ostrava region. Uhli 7 no.3:98-99 '65.

SPOLIK, F

SPOLIK, F. Selection of industrial power equipment. F. 564

Vol. 4, No. 5, May 1955

TEKSTIL

TECHNOLOGY

Zagreb

So: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), Vol. 4, No. 9,
Sept. 1955

SMOLIK, F.

New trends in constructing textile machinery. p. 257. TEKSTIL.
(Društvo inženjera i tehničara tekstilaca Hrvatske) Zagreb. Vol. 5,
no. 4, Apr. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

STOJAN, Z.

Production and economy of linen in our enterprises. p. 517. TEKSTIL
(Rustvo inženjera i tehnicara tekstilaca Hrvatske) Zagreb. Vol. 5,
no. 7, July 1956.

SOURCE: East Europe Accession List (EEAL),
Library of Congress, Vol. 5, no. 11, Nov. 1956

SMOLIK, F.

PHASE I BOOK EXPLOITATION

CZECH/4142

Lavante, Arnošt, and František Smolík

Amatérská televizní příručka (Handbook of Amateur Television) [3rd ed.] Praha, Naše vojsko, Svaz pro spolupráci s armádou, 1959. 481 p. (Series: Kniznice radiotechniky, svazek 7) 8,000 copies printed.

Resp. Ed.: Miroslava Ditmarová.

PURPOSE: This handbook is intended for radio amateurs.

COVERAGE: The author says that the changes which have occurred in television broadcasting in Europe, particularly Czechoslovakia, and new developments and improvements introduced in television technology during the two years since the appearance of the second edition of this Handbook have made necessary the publication of this third enlarged and revised edition. The number of television receivers in Czechoslovakia has increased since 1957 three times and on May 30, 1959 reached 300,000 sets. The steady rise in demand for TV receivers has led to a rise in their domestic production and to the importation of foreign sets. At present an all-European agreement on TV channels IV and V is being considered. It is supposed to be uniform for both European broadcasting organizations, the Western E.B.U. (European Broadcasting Union) and the Eastern O.I.R. (Organiza-

Card 1/3

H/004/60/000/016/001/002

AUTHOR: Smolik, František

TITLE: "Foxhunt"

PERIODICAL: Tudomány és Technika, 1960, No. 16, pp. 484-485, front and rear cover

TEXT: ⁸ The author reports on an international competition called "Foxhunt" organized in Leipzig, GDR (date not given). Radio transmitters had to be located within a possibly short time by means of portable direction finders. The competition was also meant to be a training for detecting hidden radio transmitters. According to contest rules the competition operated on the 3.5 and 145 Mc bands, respectively the 80 and 2 m wave lengths. Three "foxes" were used in each competition, operating on various frequencies within the same wave band. The energy of the radio frequencies emitted was 1 w. The "foxes", i.e. transmitters, had been placed about 4 km apart; the maximum time granted for finding one was 325 minutes. The Czechoslovak competitors used devices weighing 3.5 kg including the battery accumulator. The author suggests in this connection to replace the electron tubes in the Czech devices with semi-✓

Card 1/2

SZABO, Istvan, altavornagy; DIENES, Bela; SMOLIK, Frantisek; HIDVEGI, Tibor
(Ha 8 WS)

"Radiotechnika" is 10 years old. Radiotechnika 11 no. 11:322-323 N '61.

1. Koho-es Gepipari Miniszterium Híradástechnikai Igazgatóság formernoke (for Dienes).
2. Magyar Honvédelmi Sportszövetség Országos Elnökség elnöke (for Szabo).
3. Amaterske Radio "foszerlesztpe, Praha, Czechoslovakia (for Smolik).
4. Magyar Honvédelmi Sportszövetség Központi Radioklub vezetőjees "Radiotechnika" szerkeszto bizottsagi tagja (for Hidvegi.)

SMOLIK, F. (Praga)

We like you, comrades! Radio no.12:16 D '61.
(Radio operators) (Amateur radio stations)

(MIRA 14:12)

SZABO, Istvan, altabornagy; DIENES, Bela; SMOLIK, Frantisek;
HIDVEGI, Tibor (HA 8 ~~WS~~)

"Radiotechnika" is 10 years old. Radiotechnika 11 no.11:322-323
N '61.

1. Magyar Honvedelmi Sportszovetseg Orszagos Elnokseg elnoke
(for Szabo). 2. Koho- es Gepipari Minis~~t~~erium HIRadastechnikai
Igazgatosag fomer~~n~~o~~k~~e (for Dienes. 3. "Ameterske Radio"
fo~~s~~zerkesztoje, Praha, Czechoslovakia (for Smolik). 4. Magyar
Honvedelmi Sportszovetseg Kozponti Radioklub vezetoje es
"Radiotechnika" szerkeszto bizottsagi tagja (for Hidvegi).

SMOLIK, Frantisek

Thus Czechoslovak radio amateurs work. Radiotechnika 15
no.4:145-146 Ap '65.

1. Editor-in-Chief, "Amaterske Radic", Czechoslovakia.

SMOLIK, J.

Criticism of the methods of calculation of gas-pressure losses in pipes.
p. 264.

ZDRAVOTNI TECHNIKA A VZDUCHOTECHNIKA. (Ceskoslovenska akademie ved.
Ceskoslovenska vedecka technicka spolecnost pro zdravotni techniku a
vzduchotechniku) Praha, Czechoslovakia, Vol. 2, no. 6, 1959

Monthly List of East European Accession (EEAI), LC Vol. 9, no. 2,
Feb. 1960

Uncl.

SMOLIK, J

621.314.214.323
✓ 5049. Tap-changing equipment for 100 kV trans-
formers with insulated neutral point. J. Smolik.
Elektrotech. Obzor, 44, No. 5, 264-5 (1959) in Czech.
The development of tap-changing equipment in the
Lenin Works, Pilsen, is briefly reviewed and the first
type of a 100 kV transformer control unit with 17-step
selector and separate instantaneous diverter (transfer)
switch with auxiliary resistances is described. One
modification of this type has the switch mounted
on the bushing, another under the cover of the
transformer. ELECTRICAL RESEARCH ASSOCIATION

17
24 51

SMOLIK, J. Ing.

Dimension parameters of airborne dust. Pracovní lek. 7 no.4:
229-232 Jy '55.

1. Ustav.tepelen a zdrav. techniky CVUT Praha.
(DUST, determination
dimension parameter in air)

SMOLIK, Josef

Passage through gas-and-water-bearing strata in sinking the CSM
Stonava-North Mine. Uhli 5 no.7:227-232 JI '63.

1. Vystavba Ostravsko-Karvinskych dolu, n.p., Ostrava.

L 54023-65 EPF(c)/EWG(v)/EPR/EPA(w)-2/EWP(j) Pc-h/Pab-10/Pe-5/Pr-h/Ps-4 WW/RM
ACCESSION NR: AP5016820 CZ/0017/64/053/011/0599/0602

AUTHOR: Smolik, Karel (Engineer); Kolar, L'udovit (Engineer)

TITLE: Influence of the cable varnish on the aging of wires insulated with PVC
from the viewpoint of the insulation resistance

SOURCE: Elektrotechnicky obzor, v. 53, no. 11, 1964, 599-602

TOPIC TAGS: insulated wire, electric insulation, vinyl plastic

ABSTRACT: Investigated was the effect of the cable varnish on the insulation property of the softened polyvinyl chloride applied to various models of wire insulations. It was proved that the effect is of decisive importance. Also studied was the insulation resistance of softened polyvinylchloride with regard to time and without the effect of the cable varnish. The conclusion is made that the cable varnish may influence the aging of wires, insulated with softened polyvinyl chloride, to a considerable degree. Orig. art. has: 2 graphs, 11 tables.

Card 1/2

L 54023-65

ACCESSION NR: AP5016820

ASSOCIATION: Smolik/Kablo Kladno, n. p., zavod Kablo, Hostivar (Kladno Cable n. p.
Cable Factory); Kolar/Vyskumny ustav kablov a izolantov, Bratislava (Research
Institute for Cables and Insulators)

SUBMITTED: 02Dec63

ENCL: 00

SUB CODE: EE, MT

NO REF SOV: 000

OTHER: 006

JPRS

Card 2/2

1ST AND 2ND ORDERS PROCLAMATIONS AND PROPERTIES UNDER 1ST AND 4TH ORDERS

CA 15

Amount of lipoids in the principal Moravian soil types. L. Sauer. *Bull. Czechoslov. Acad. Agr. No. 3, 240* (1928); *Proc. Intern. Soc. Soil Sci. 9, 31* (1930).—Ratn. of soils with ether showed the presence of lipoids (fats, waxes, phytosterol, phosphatides, etc.). The amts. range from 0.81 to 0.01% in podzols and podsolized soils and from 0 to 0.03% in black soils and rendzina soils. I. A. DENISON

ASB-LLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS 1ST AND 4TH ORDERS

BC

B-III -1

Significance of the volume-weight for soil science
and plant nutrition. I. Serezh (Bull. Czechoslov.
Acad. Agric., 1930, [v] 46); Evn. Internat. Soc. Soil
Sci., 1930, 8, 28-30—discusses method of soil analysis
on a basis of "volume-weight" (Rozmery) instead of
the customary dry-matter basis is discussed and recom-
mended.

A. G. FOLLARD.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESS AND PROPERTIES INDEX																			
<p><i>BC</i></p> <p><i>R-III-1</i></p> <p>Cylinder for separating fine soil particles by decantation. L. Seregin (Bull. Czechoslov. Acad. Agric., 1929, [iv], 470; Proc. Internat. Soc. Soil Sci., 1930, 5, 32).</p>																			
A18-51A METALLURGICAL LITERATURE CLASSIFICATION										E-27-1000-10000									
FROM SYNDICATE										FROM DONOR									
TENSORS										COLLECTION									
10000 1100 1200 1300 1400 1500 1600 1700 1800 1900										2000 2100 2200 2300 2400 2500 2600 2700 2800 2900									

BC

Photoactivity of [Combustion] cells. L. Gennin. (Bull. Combustion. Acad. Agric., 1939, (v), 509; Proc. Internat. Soc. Rail Sci., 1939, 8, 32).—Photoactivity in the cell is probably a variable property. Few cells exhibit photoactivity, and in upper portion this cannot be induced by the exposure of cell to solar radiation, to a strong electric field, or by storage in ozone, in oxygen, or in carbon dioxide. A. G. FULLARD.

B-III-1

BC

D-III-1

Gollan's apparatus for mechanical analysis [of
soils]. J. H. GOLLAN and L. FRODOK (Bull. Czechoslov.
Acad. Agric., 1930, 864; Proc. Internat. Soc. Soil Sci.,
1930, 5, 163).—Gollan's apparatus yields results in
close agreement with that of Kopecký, and is simpler and
more practicable. A. G. POLLARD.

ASH-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSING AND PROPERTY INDEX																			
BC										B-III-1									
<p>Refractive index and water sorption of soils. E. S. S. (Bull. Cambridge Acad. Agric., 1930, 10; Proc. Internat. Soc. Soil Sci., 1930, 5, 186).—The moisture- absorbing capacity of soils saturated with different bases varied with the base used in the order $\text{Na} > \text{Ca} >$ $\text{Mg} > \text{K} > \text{NH}_4$. A. G. POLLARD.</p>																			
ASAC. S. A. DEVELOPMENTAL LITERATURE CLASSIFICATION																			
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PROCESSING AND PROPERTIES INDEX																									
EST AND PRO GROUPS													EST AND PRO GROUPS												
<p>Electrodialysable bases in soils. L. Sorel. <i>Bull. Canadian Acad. Agr.</i> 1930, 644. <i>Proc. Intern. Soc. Soil Sci.</i> 6, 9(1931).--The amts. of exchangeable bases removed from soils by electrodialysis corresponded with those obtained by leaching with NH_4Cl soln. Repeated electrodialysis yielded the same values. Bases removed during electrodialysis may be detd. by titration. B. C. A.</p>																									
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

OC

P-III-

Base exchange in soils rich in organic matter.
Savits (Bull. Caschokolov. Acad. Agric., 1930, 6,
512; Proc. Internat. Soc. Soil Sci., 1931, 6, 6).—The
base-exchange capacity ($\text{Ca}^{++} + \text{Mg}^{++} + \text{Na}^{+} + \text{K}^{+} + \text{H}^{+}$)
of highly organic soils was much greater than that of
mineral soils. No relationships exist between the
nitrogen content and the total exchange capacity.
Removal of organic matter from soils by hydrogen
peroxide reduced their exchange capacity.
A. G. POLLARD.

ASB-SEA DETALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
<p>CA ✓ In the adsorption complex of soils stable? L. BODOLIK, Vestnik Uchenykh. Zemel. 1991, No. 1; Proc. Intern. Soc. Soil Sci. 6, 110. The adsorption complex of soils is not stable, but varies with soil reaction, concn. of dissolved salts, fertilizer treatment, tillage and cropping rotation. B. C. A.</p>																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									

COMMON ELEMENTS										PROCESSING AND PROPERTIES INDEX										COMMON MATERIALS INDEX									
<p>Is the orthokinetic type of coagulation of a clay a function of the pH of the sedimentation medium? A. MURKOWICZ AND L. SANCHEZ. <i>Kosmich. Chisholov. Zemelshiki</i> 1931, No. 3; <i>Proc. Intern. Soc. Soil Sci.</i> 6, 123-4.---The clay fraction of soils was sepd. by decantation in AcOH and HCl of varying pH. With decreasing pH the degree of orthokinetic coagulation increased, although the extent of the coagulation was not the same for all samples. At the same pH AcOH was a more effective coagulant than HCl. Equil. between the pH of the suspension and that of the soil. added was reached more quickly in the more acid soils. The fraction functioning as clay in soil varies in amt. with the pH. A decreased pH reduces the effective clay fraction by orthokinetic coagulation.</p>										<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>										<p>E-2</p>									

1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
<p><i>Handwritten: 10</i></p> <p>The relation of nitrogen to humus in soils. L. Smolík. <i>Vestník Českoslov. Akad. Zemědělské</i> 7, 681(1931); <i>Listy cukrovar.</i> 50, No. 8, Rozhledy, 5 — The ratio of humus to the total N in most Czech soils ranged from 8 to 10. As the depth of the soil increased, the ratio became smaller. The high N factor in comparison to a low humus is considered to be an exception. No relation of the factor to a geographical latitude could be detd. The variations are ascribed to an unequally distributed geological terrain. F. M.</p>																													
<p>ASB-55A METALLURGICAL LITERATURE CLASSIFICATION</p>																													
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS										5TH AND 6TH ORDERS									
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1ST AND 2ND CODES										PROCESSING AND PROPERTY INDEX										3RD AND 4TH CODES									
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<p>variations in the exchange capacity and the exchangeable bases in soils. <i>Soils</i> (Soil. Commun. Acad. Agric. Sci., No. 5, Proc. Internat. Soc. Soil Sci., 1968, 7, 255-267). The exchange capacity of soils was decreased by heating at 100°, 200°, and dull red heat. Reheating of heated soil resulted in a partial return to the initial exchange capacity value. Heating</p> <p>increased the exchangeable base contents of soils in the relative order $Mg > K > Na > Ca$, the last named being but little affected.</p>																													
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ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

15

SAOIN. *Vistnik Českoslov. Akad. Zemědělské* 1931, No. 9; cf. C. A. 25, 5488; 26, 3963. The exchange capacity of soils was decreased by heating at 100°, 200° and dull redness. Remoistening of heated soil resulted in a partial return to the initial exchange capacity values. Grinding increased the exchangeable-base contents of soils in the relative order $Mg > K > Na > Ca$, the last-named being but little affected. B. C. A.

PROCESSING AND PROPERTIES																									
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<p>Colloidal leam isolated from podzol. L. Smolik. <i>Vistula</i> <i>Podzolow. Akad. Zemiłskiki</i> 8, 744-7(1932); <i>cf. C. A. 27, 1989.</i>—The colloids from various podzol strata have different chem. properties, those from the illu- vium being richest in Fe, Al and frequently phosphate. The chief distinction lies in the mol. ratio $SiO_2:Fe_2O_3$. B. C. A.</p>																									
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

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<p>Chemistry of colloidal clays isolated from podzol soils. L. Buzek (Bull. Czechoslov. Acad. Agric., 1933, No. 9-10; Proc. Internat. Soc. Soil Sci., 1933, 8, 166-167). Colloids derived from the illuvial horizon have more Fe and Al and frequently more PO_4 than those from other horizons. A. G. P.</p>																													
<p>458-554 METALLURGICAL LITERATURE CLASSIFICATION</p>																													
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PROCESSES AND PROPERTIES INDEX																			
<p>BC</p> <p>Soil colloids. L. S. T. (Bor. Odesk. Akad. Zvezd., 1933, 8, 175-176; Chem. Zentr., 1933, ii, 2676).—Colloids approximating to 0.1—1 μ have been isolated by ultrafiltration from many types of soil originating from different parent rocks, and investigated with respect to (i) abs. colloid content, (ii) chemical composition of the soil colloid, (iii) colloids and soil buffering, (iv) solubility ratio of the soil colloid, (v) replacement of bases by H, (vi) base-exchange and adsorptive power of the colloid for H_2O, and (vii) the colloid and soil-H_2O available for bases. I. S. T.</p>																			
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<p>CA</p> <p>15</p> <p>Chemical activity of manganese in soil. L. Smolik. 17th Czechoslov. Acad. Zemedelsk 9, No. 3-5, 136 (1963). Chem. Abstr. 6, Abstract sect. 190.—S. concludes that Mn is more active in soil than Ca, Mg, K and Na. All soil Mn is reduced to Mn capable of exchange with simultaneous increase of pH of soil. J. Kucera</p>																																																			
<p>ASD-55A METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

BC

LYSOSORPTION OF SOILS IN ORGANIC LIQUIDS. L. Smolik (Bull. Czechoslov. Acad. Agric., 1933, 9.No. 1; Proc. Internat. Soc. Soil Sci., 1933, 8, 145).— Among liquids examined highest lyso-sorption was found in CCl_4 , benzine, C_2H_6 , and CHCl_3 and lowest in C_6H_6 , EtOH , and Et_2O . The lyso-sorption of soils in any org. liquid is closely correlated with the total surface area of the soil particles. The best soil structure was found in C_6H_6 and the worst in H_2O .
A.G.P.

bc

at III 1

Ferric-ion sorption by soils. L. Samela (Västerbotten Univ. Akad. Zemed., 1933, 9, 406-413; Chem. Zentr., 1933, ii, 2878).—CO₂-free soils absorb, in general, 50-60% of the available Fe⁺⁺⁺ (5 g. of soil, 80 c.c. of FeCl₃ solution containing 0.00021 g. of Fe₂O₃), but the sorption can exceed this limiting val. The higher is the *pH* the greater is the sorption of Fe⁺⁺⁺. L. S. T.

55-55.4 METALLURGICAL LITERATURE CLASSIFICATION

LIST AND LITERATURE										PROCESSES AND PROPERTIES UNDER																													
<p>bc</p> <p>Exchange capacity of organic components of the absorption complex of soil. L. S. T. (Vestn. Khim. Akad. Nauk, 1955, 9, 555-557; Chem. Zentr., 1955, I, 783).--The ligno-humic (I) constituents of different soils do not show the same exchange capacity (II). The (II) of the undecomposed vegetation is considerable, but it quickly rises with progressive humification. Soils with high (I) content have a greater (II) than those with a lower content. L. S. T.</p>										<p>B-III-1</p>																													
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bc		B-II-1	
<p>Redox potential in soil. I. Muecke (Vista. oecolog. Agr. Acad. Romid., 1964, 10, 189-197; Chem. Zentr., 1964, II, 2029). Redox potential in pedons is highest in surface layers and decreases with depth. In the lowest layers it is negative. Surface layers of cultivated and forest soils show wide seasonal variations.</p> <p>A. O. P.</p>			
<p>ASB-554 METALLURGICAL LITERATURE CLASSIFICATION</p>			
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1ST AND 2ND ORDER										3RD AND 4TH ORDER									
PROCESSES AND PROPERTIES INDEX																			
<p>bc</p> <p>VOLUME OF THE SETTLED SUSPENSION OF SOIL IN WATER. L. Smolik (Vestn. Czechoslov. Akad. Zemed., 1934, 10, 461--467; Chem. Zentr., 1934, 11, 3666).-- "Settling vols." (l) of soils vary considerably (33-84 c.c. per 50 g. of dry soil). In many cases there is a relationship between (l) and the hygroscopicity, CaCO_3 content, and catalase activity. A. G. P.</p>																			
<p>ALN-11A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
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FROM STEINBAUM										FROM SCHLITZ									

COMMON ELEMENTS

COMMON VARIABILITY INDEX

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OPEN

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

COMPARISON OF TROEG'S EXTRACTION METHOD AND DIALYSIS FOR DETERMINING PHOSPHATE IN SOILS. L. Smolik. *Věstník Českoslov. Akad. Zemědělskí* 10, 602-8(1934).—Electro-dialysis of soil for 24 hrs. removes the same amt. of PO₄ ion as is extd. by 0.002 N H₂SO₄ in 30 min., except in acid soils for which the latter, and in alk. soils for which dialysis gives the higher values. . . . B. C. A.

1ST AND 2ND SIDES										3RD AND 4TH SIDES									
PROCESS AND PROPERTIES INDEX																			
<p>BC</p> <p style="text-align: right;">B-III-1</p> <p>Indices in Czechoslovakian units. L. Havelka (Shorn. Czechoslov. Akad. Zborn., 1955, 10, 36-44; Chem. Zvesti., 1955, 1, 9112). Data for numerous soils are given. German papers have higher I contents than have Czechoslovak. No relation is apparent between the total of III and I contents in soils, nor between these values and the climate or parent rock. A. G. P.</p>																			
<p>ASAC-512 DETAILING LITERATURE CLASSIFICATION</p> <p>1ST AND 2ND SIDES</p> <p>3RD AND 4TH SIDES</p>																			

CA

Spheroidal inclusions containing iron in *Coeschelerbachia* cells. L. Smulik. *Spherul. Coescherbach. Abstr. Zembdzinski* 11, 413-19 (1936).—The inclusions form rust-colored, concentric, banded, together by a heavy material, and about 10 mm. in diam.; their no. at first increases with depth, and then decreases sharply. Analyses of the inclusions and the surrounding cell, resp., are as follows: SiO_2 68.47, 59.29; Al_2O_3 17.37, 12.63; Fe_2O_3 0.68, 3.84; TiO_2 0.42, 0.1; Ca 1.69, 1.76; Mg 0.02, 0.63; P 0.31, 0.130%. B. C. P. A.

A S M. S L A METALLURGICAL LITERATURE CLASSIFICATION

CIA-RDP86-00513R001651710020-8"

CA

Changes in the active pH of soils. 1. Spulak. *Sbornik Českoslov. Akad. Zemědělsk. 15, 13 17(1910); Chem. Zentr. 1941, 1, 1217.* An investigation of the effect of time on the active pH of soils. Comparison of sample stored 11-15 yrs. with those freshly taken showed a higher pH in 60, a lower pH in 20, and an unchanged pH in 5% of cases. A study of the effect of soil:water ratio on the pH gave results that were in good agreement with those of Keaton (*C. A. 33, 2039*). The ratios used were 1:20, 1:10, 1:5, 1:1, and a sample with a normal water capacity. The lowest pH in 65% of all samples was found where the ratio was 1:1. The remaining 35% was found in soils with a normal water capacity. Ninety-two % of the soils used were alk., and only 8% acid. M. Hasek

ASD SLA METALLURGICAL LITERATURE CLASSIFICATION

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100	100	100	100

<p>CA</p> <p>14</p> <p>The influence of beets upon soil. L. Smolik, <i>Listy Cukrovar.</i> 58, 287-90(1940).—S. presents a graph covering the span of years 1875-1913 which shows that the intensive cultivation of soils with sugar beets has increased the productivity of the soils in Czechoslovakia. The beets increase the porosity of the soil by producing pores without tension which accumulate moisture and conserve water. Although the soils of Bohemia are not rich in K, the beets hold the K in the soil so that it cannot be leached. When NaNO_3 is added to the soil, the beets consume the nitrate but let the Na accumulate in the soil with subsequent crusting and retention of CO_2. The high production of CO_2 by sugar beets serves to release P from the complexes present in the soil or from minerals or fertilizers added to the soil. In a single harvest the CaO removed from a field may exceed 30 kg. per ha. However, sugar-beet fields in the Nový Bydžov district after an intensive cultivation with sugar beets for 30 yrs. did not show any change in the active reaction or CO_2 content of the soil.</p> <p>Frank Maresh</p>																									
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

15A

15

The influence of ammonium sulfate on the hygroscopicity of the soils. L. Smolík. *Sborník Českého. Akad. Zemědělského 20, 261-1 (1918)*. In the fields, $(NH_4)_2SO_4$ was continually applied for 17 years in the quantity: 0, 20, 40, 60, 80 kg. N per ha. with the following results: (1) A great decrease in the exchangeable Ca, low decrease in Mg, K, and Na. (2) A great increase in the exchangeable H. (3) An increase in the hygroscopicity number which is of prime importance for hydrogeology. Jan Mlýnský

SMOLIK, LADISLAV

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Apparatus, Plant Equipment,
and Unit Operations

③ *Chim. - elektrom.*
Apparatus for conductometric analysis. K. E. Slevogt.
Kautschuk u. Gummi 7, WT18, WT20 (1954).--A Wheat-
stone bridge with electronic accessories is described which is
adapted for cond. titrations. S. D. Gehman

Calcinometer. Ladislav Smolik (*Česko. vysoké učení
tech., Prague, Czech.*). *Sborník Českoslov. Akad. Zemišedl.
Ved 26A, 325-32 (1953)*.--A new calcinometer, with all dis-
advantages of volumetric measurements eliminated, is de-
scribed. Jan Micka

SMOLIK, L.

Sedimentation volume of clays and soil erosion. p. 349.
Construction of hydroelectric-power plants in the USSR. p. 351.
VODNI HOSPODARSTVI, Prague, Vol. 4, no. 11, Nov. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

SMOLIK, LADISLAV

Pedologie; celostatni vysokoskolska ucebnice. (Vyd. 1.) Praha, Statni nakl. technicke literatury, 1957. 399 P. (Pedology; a university textbook. 1st ed. illus., maps (part fold.), bibl., diagr., graphs, indexes, tables)

SO: Monthly Index of East European Acquisitions (EEAI) Vol. 6, No. 11 November 1957

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protection of the microatmosphere of inhabited places from the point of view of bioclimatology, p. 1. (Ochrana Trirdy Vol. 12, no. 1, Jan. 1957 Praha)

DD: Monthly List of East European Accession (EEAL) IC, Vol. 6, no. 7, July 1957. Uncl.

SMOLIK, L.

Pedological notes on drainage.

P. 11. (VODNI HOSPODARSTVI) (Praha, Czechoslovakia) No. 1, Jan. 1958

30: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

SMOLIK, M.

"Parachutists are counting the seconds."

p. 2 (Ceskoslovensky Vojak) Vol. 6, no. 26, Dec. 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

MOLEK, J.

Public safety guardians and witnesses of crime.

P. 6. (CECHOSLOVENSKY VOJAK) (Praha, Czechoslovakia) Vol. 7, no. 3, Feb. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

SM LIA, Miroslav, inz.

Economization of fuel and power by introduction of new technology. Sklar a keramik 14 no.8:217-219 Ag '61.

1. Ministry of Consumer Goods Industry, Prague.

KAWECKI, Karol; SNOLIK, Roman

Clinical, anatomical, and pathological considerations on a case of myelosarcomatosis. Polski tygod.lek.10 no.50:1614-1618 12 Dec. '55.

1. Z II Kliniki Chorob Wewnętrznych A.M. we Wrocławiu; kierownik: prof. dr A. Falkiewicz i z Zakładu Anatomii Patologicznej A.M. kierownik: prof.dr Z. Albert. Wrocław 2, ul. Chalubinskiego 5.
(MYELOMA, PLASMA CELL,
leg. case report)
(LEG, neoplasms,
myeloma, plasma cell, case report)

SMOLIK, Roman

A case of spontaneous rupture of aortic aneurysm into the stomach.
Polski tygod. lek. 14 no.41:1829-1831 12 Oct 59.

1. (Z II Kliniki Chorob Wewnętrznych A. M. we Wrocławiu; kierownik:
prof. dr med. Antoni Falkiewicz).
(AORTIC ANEURYSM, compl.) (STOMACH, dis.)

SMOLIK, Roman; ZUKOWSKI, Wojciech

A rare case of myocardial lesions consecutive to ethyl alcohol intoxication. Polskie arch. med. wewn. 31 no.4:577-581 '61.

1. Z II Kliniki Chorob Wewnętrznych AM we Wrocławiu Kierownik: prof. dr med. A. Falkiewicz)

(ALCOHOLIC INTOXICATION compl) (HEART DISEASE etiol)

SMOLIK, Roman

Behavior of the reactivity of the organism in patients with hyperthyroidism treated with methylthiouracil. Polskie arch. med. wewn. 31 no.7:983-988 '61.

1. Z II Kliniki Chorob Wewnętrznych AM we Wrocławiu Kierownik: prof. dr med. A. Falkiewicz.

(HYPERTHYROIDISM ther) (THIOURACIL ther)

SMOLIK, Roman

Psoriatic arthropathy. Polskie arch. med. wewn. 31 no.8:1133-1142
'61.

1. Z II Kliniki Chorob Wewnętrznych AM we Wrocławiu Kierownik: prof.
dr med. A. Falkiewicz.

(PSORIASIS compl) (JOINTS dis)

POLAND

PLAMIEŃIAK, Zdzisław and SMOLIK, Roman, Second Clinic of Internal Diseases (II Klinika Chorob Wewnętrznych), AM [Akademia Medyczna, Medical Academy] in Wrocław (Director: Prof. Dr. A. FALKIEWICZ)

"Serum Protein Pattern in Chronic Lead Poisoning."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 10, 4 Mar 63, pp 358-361.

Abstract: [Authors' English summary] The electrophoretic studies of the serum protein in 32 patients with chronic lead poisoning are reported. The gamma globulins were found to be decreased, the decrease being related to the degree of intoxication. These observations confirm the damaging effect of lead on the reticulo-endothelial system. Of the 12 references cited, 6 are in Polish, 3 in German, and one each in English, French, and Czech.

RANDOWA, Danuta; SMOLIK, Roman; ZUKOWSKI, Wojciech

Respiratory function tests in obesity. Pol. arch.med. wewnet.
34 no.2:183-188 '64.

1. Z Kliniki Gruzlicy Pluc AM we Wroclawiu (kierownik: prof.
dr.med. T.Garbinski) i z II Kliniki Chorob Wewnetrznych AM
we Wroclawiu (kierownik: prof.dr.med. A.Falkiewicz).

*

GRUPA, 1944; GRUPA, 1944; GRUPA, 1944.

Cases of gynecomastia. Pol. tygod. lek. 19 no. 3: 311-312.
S 14 '64

1. " " Kliniki Chorob Wewnętrznych Akademii Medycyny
we Wrocławiu (Kierownik: prof. dr. med. Antoni Falkiewicz).

SMOIR, Ferns

Osteoarthropathia hypertrophica ilioparthritis. Pol. 19. 19. 19
no. 43:1652-1653 26 0 '64

1. Z II Kliniki Chorob Wewnętrznych Akademii Medycznej we
Wrocławu (kierownik: prof. dr. med. Antoni Falkiewicz).

FALKIEWICZ, Antoni; GORNY, Stanislaw; GRUSZKA, Stanislaw; MARCINIAK, Roman; SMOLIK, Roman; WOJCIECHOWSKI, Franciszek; ZUKOWSKI, Wojciech

Hyperostosis frontalis interna. Incidence and clinical features. Pol. arch. med. wewnet. 35 no.5:615-617 '65.

Autonomic disturbances in hyperostosis interna. Ibid.:619-624

Hyperostosis frontalis interna. Hormonal assays. Ibid.:625-626

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu (Kierownik: prof. dr. med. A. Falkiewicz).

CHMIEL-NOCEN, Anna; SMOLIK, Roman; WOJNAROWICZ, Adolf

A case of primary antibody deficiency syndrome. Pol. tygod. lek.
20 no.28:1056-1057 12 J1 '65.

1. Z II Kliniki Chorob Wewnętrznych AM we Wrocławiu (Kierownik:
prof. dr. med. A. Falkiewicz) i z Oddziału Wewnętrznego Szpitala
Miejskiego w Przemyśle (Ordynator: dr. med. A. Wojnarowicz).

BLAHA, L.; WEICHET, J.; ZVACEK, J.; SMOLIK, S.; KAKAC, B.

Synthetic experiments in the group of hypotensive alkaloids. VII.
Preparation of (-)-deserpidine and (+)-isodeserpidine. Coll Cz
Chem 25 no.1:237-244 Ja '60. (EEAI 9:12)

1. Forschungsinstitut für Pharmazie und Biochemie, Prag.
(Alkaloids) (Hypotension) (Deserpidine)
(Isodeserpidine)

SMOLIK, S.; KVITA, V.; WEICHET, J.; TRCKA, V.

Studies in vitamin K and vitamin E series. X. Synthesis of vitamin K₁ analogue with unbranched side chain. Coll Cz Chem 25 no.1:259-264 Ja '60. (EEAI 9:12)

1. Forschungsinstitut für Pharmazie und Biochemie Prag.
(VITAMIN K) (VITAMIN E) (VITAMIN K₁)

CZECHOSLOVAKIA

SILVER, S.; HUBAČEK, J.; Research Institute of Pharmacy and
Biology (Výzkumný Ústav pro Farmacii a Biochemii), Prague.

"Synthesis of Benzyliden- and Aryliden-derivatives of 1-Amino-
hydantoin and 5-Amino-hydantoin-2-Oxazolidone."

Prague, Czechoslovenská Farmacie, Vol 15, No 9, Nov 66, pp 466-469

Abstract [Authors' English summary modified]: 1-benzylidene-2-
-semicarbazideacetic acid was prepared by the reaction of ethyl-
-N-benzylidene-1-pyrazinoacetate with potassium cyanate, and
possibly with phosgene, followed by aminolysis. This acid was
identical with the alkylation product of benzaldehyde semicarba-
zone with chloroacetic acid. Cyclization of the derivatives of
2-semicarbazideacetic acid to derivatives of 1-aminohydantoin
with possible transarylidation are discussed. N-benzylidene-
or N-(5-nitro-2-furfurylidene)-3-amino-2-oxazolidone were prep-
ared by the reaction of ethyl 2-benzylidenehydrazinocarbonate
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stages, the amt. of glucose 1-phosphate drops sharply, and becomes less than that of glucose 6-phosphate. Both hexose phosphates are present in smaller amts. in the larval period. Fructose diphosphate and fructose 6-phosphate are absent in the larval period and appear only in the pupal stage. During some periods in the life of the silkworm, carbohydrates are decompd. aerobically, and anaerobic glycolysis is retarded (Pasteur effect). Adenosine triphosphate and creatine phosphate are present in small amts. in all stages of development. The silkworm should be fed P, along with carbohydrates, only in the 5th larval stage.

H. Priestley